To:

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

Commissioner
US Department of Commerce
United States Patent and Trademark
Office, PCT
2011 South Clark Place Room
CP2/5C24
Arlington, VA 22202

Date of mailing (day/month/year)

06 June 2001 (06.06.01)

International application No.
PCT/SG00/00143

International filing date (day/month/year)
12 September 2000 (12.09.00)

Applicant

FONG, Fatt, Chee

ETATS-UNIS D'AMERIQUE
in its capacity as elected Office

Applicant's or agent's file reference
1126.P001PCT

Priority date (day/month/year)
15 September 1999 (15.09.99)

1.	The designated Office is hereby notified of its election made:
	X in the demand filed with the International Preliminary Examining Authority on:
	05 April 2001 (05.04.01)
	in a notice effecting later election filed with the International Bureau on:
2.	The election X was
	was not
	made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

Zakaria EL KHODARY

Telephone No.: (41-22) 338.83.38

Facsimile No.: (41-22) 740.14.35

8

PATENT COOPERATION TREATY

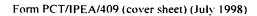
PCT

REC'D 2 8 MAR 2002

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 1126.P001PCT	FOR FURTHER ACT	ION See Notifi	cation of Transmittal of International Preliminary				
		Examinat	ion Report (Form PCT/IPEA/416)				
International application No.	International filing date (de	·	Priority Date (day/month/year)				
PCT/SG 00/00143	12 September 2000)	15 September 1999 (15.09.1999)				
	(12.09.2000)						
International Patent Classification (IPC) or na	ntional classification and IPC						
IPC ⁷ : G06F 17/60			JUL 1 6 2002				
Applicant FIRST CUBE PTE LTD. et al.							
This international preliminary exa and is transmitted to the applicant		prepared by this In	ternational Preliminary Examination Authority				
2. This REPORT consists of a total of	of <u>4</u> sheets. inc	cluding this cover s	heet.				
amended and are the basis	This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).						
These annexes consist of a total of	f 4 sheets.						
3. This report contains indications re-	lating to the following iter	ns:					
I. Basis of the opin	ion						
II. Priority							
III. Non-establishme	ent of opinion with regard	to novelty, inventi-	ve step and industrial applicability				
IV. Lack of unity of	invention						
	V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability: citations and explanations supporting such statement						
VI. Certain documen	nts cited						
VII. Certain defects in	n the international applica	tion					
VIII. Certain observati	ions on the international a	pplication					
Date of submission of the demand		Date of completion	n of this report				
05.04.2001		28 Fe	bruary 2002 (28.02.2002)				
Name and mailing address of the IPEA/A	AT	Authorized officer					
Austrian Patent Office Kohlmarkt 8-10			FASTENBAUER				
A-1014 Vienna			.,				
Facsimile No. 1/53424/200		Telephone No. 1/2	53424/ 44 7				



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.
PCT/SG 00/00143

<u>I.</u>		
1.	1. With regard to the elements of the international a	pplication:*
	the international application as originally fil	ed
	the description:	
	pages, as originally filed	
	pages filed with the demand	
	pages, filed with the letter of	
	the claims:	
	pages, as originally filed	
	pages as amended (together with a	ny statement) under Article 19
	pages filed with the demand pages 28-31. filed with the letter of 21 Fe	ebruary 2002 (21 02 2002)
		<u> </u>
	the drawings:	
	pages as originally filed pages filed with the demand	
	pages , filed with the letter of	
		_
	the sequence listing part of the description:	
	pages , as originally filed pages , filed with the demand	
	pages, filed with the letter of	<u>.</u> .
2.	which the international application was filed, unle	ked above were available or furnished to this Authority in the language in ass otherwise indicated under this item. Authority in the following language which is:
	the language of a translation furnished for th	e purposes of international search (under Rule 23.1(b)).
	the language of publication of the internation	nal application (under Rule 48.3(b)).
	the language of the translation furnished for or 55.3).	the purposes of international preliminary examination (under Rule 55.2 and/
3.	 With regard to any nucleotide and/or amino acid preliminary examination was carried out on the ba 	sequence disclosed in the international application, the international asis of the sequence listing:
	contained in the international application in	printed form.
	filed together with the international applicat	on in computer readable form.
	furnished subsequently to this Authority in v	vritten form.
	furnished subsequently to this Authority in c	omputer readable form.
	The statement that the subsequently furnished international application as filed has been furnished.	d written sequence listing does not go beyond the disclosure in the mished.
	The statement that the information recorded been furnished.	in computer readable form is identical to the written sequence listing has
4.	4. The amendments have resulted in the cancel	lation of:
	the description, pages	
	the claims. Nos	
	the drawings, sheets/fig	
5.	 This report has been established as if (some of beyond the disclosure as filed, as indicated in 	f) the amendments had not been made, since they have been considered to go n the Supplemental Box (Rule 70.2(c)).**
*		ne receiving Office in response to an invitation under Article 14 are referred to exed to this report since they do not contain amendments (Rules 70.16 and
* *		s must be referred to under item 1 and annexed to this report.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/SG 00/00143

V. Reasoned statement under Art citations and explanations sup		with regard to novelty, inventive step or industrial applicability; ch statement	
1. Statement	•		
Novelty (N)	Claims	2-14	YES
	Claims	1	NO
Inventive step (IS)	Claims	2-14	YES
	Claims	1	NO
Industrial applicability (IA)	Claims	1-14	YES
	Claims		NO
Citations and explanations (Rule 70.	7)		

This written opinion is based on the claims 1-14 filed with the letter of 21.2.2002.

The following documents have been cited in the Search Report:

D1: DE 29807184 U1 D2: DE 4130033 A1

Industrial applicability is given.

The amended and new claims filed with the letter of 21.2.2002 contain some features which were not contained in the originally claims 1-9.

In the letter of 21.2.2002 the applicant mentions that ... the two cited prior art ... do not have the provisions to allow the customer to return goods to a vendor... However Document D1, DE 298 07 184 U1, shows an electronic service box enabling the customer e.g. to place his laundry in the box section for laundry (11). This laundry is picked up by the laundry service. This corresponds to what is described on page 12 of the present application.

Hence D1 shows a system adapted to send goods from the customer to a service/vendor. To adapt this feature of D1 to also "return goods" to a vendor seems obvious for a person skilled in the art, thus D1 also facilitates two-way transactions between the customer and the vendor or a delivery agent/person. So, the features of the newly filed claim 1 are known or suggested by the documents cited in the search report.

Furthermore the new feature of the amended claim 1 "wherein said system controller is adapted to facilitate leasing of said locker units by registered parties for delivery or pickup of good, said registered parties including a customer, a vendor and a delivery agent" is not drafted in "terms of the technical features of the invention" (Rule 6.3(a)), but only contains features relating to commercial and non-technical matters. The formulation "is adapted to" does not fulfil the

International application No. PCT/ SG 00/00143

Supp	lemental B	ox
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(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: Box V (page 1)

requirement for a claim of being "clear and concise" (Article 6) as it only says what goal should be achieved, and not how it is achieved.

In the case it would be obvious for a person skilled in the art to achieve the goal "is adapted to" the claim would present a lack of inventive step; in the case it would not be obvious for a person skilled in the art how to reach this goal, the claim would not be "clear and concise".

Hence, all the features of new claim 1 of the present application are known or suggested by the above documents.

The features claimed in dependent claims 2-5, and the claims 6-14 involve an inventive step.

CLAIMS

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I Claim:

1. A system for facilitating a delivery and pickup of goods comprising: a plurality of locker modules, each of said locker modules having a plurality of locker units, a locker controller, a user interfacing device, a useridentifying device, and a remote receiving and transmitting device;

a system controller having an application server, a database server, and a remote receiving and transmitting device for communicating with said remote receiving and transmitting device of said locker modules;

a customer's PC terminal communicably connected to said system controller:

a vendor's PC terminal communicably connected to said system controller; and

a delivery agent's PC terminal communicably connected to said system controller;.

wherein said system controller is adapted to facilitate leasing of said locker units by registered parties for delivery or pickup of a good, said registered parties including a customer, a vendor and a delivery agent.

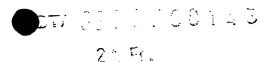
2. The system as recited in claim 1, wherein said system controller is further adapted to provide login identification to each of said registered parties based upon particulars received from said registered parties, said login identification being associated with a smart card and a pin number of each of said registered parties.

- 3. The system as recited in claim 2, wherein said system controller is Feb. 2222 further adapted to provide said pin number and information on said smart card to said locker controller for said leasing.
- 4. The system as recited in claim 1, wherein said system controller is further adapted to enable said registered parties to obtain status of said delivery or said pickup, said status comprising a delivery record of a particular delivery person and transaction details.
- 5. The system as recited in claim 1, wherein said system controller is further adapted to allow special access to said locker unit by said registered parties when a wrong delivery or a wrong item is placed into said locker unit.
- 6. A method of making a delivery of a good to a customer using a system for facilitating a delivery and pickup of goods comprising,

a plurality of locker modules, each of said locker modules having a plurality of locker units, a locker controller, a user interfacing device, a user-identifying device, and a remote receiving and transmitting device;

a system controller having an application server, a database server, and a remote receiving and transmitting device for communicating with said remote receiving and transmitting device of said locker modules, wherein said system controller is adapted to facilitate leasing of said locker units by registered parties for delivery or pick-up of a good, said registered parties including a customer, a vendor and a delivery agent;

AMENDED SHEET



a customer's PC terminal communicably connected to said system controller;

a vendor's PC terminal communicably connected to said system controller; and

a delivery agent's PC terminal communicably connected to said system controller,

said method comprising the steps of:

receiving, by said system controller, a request for use of a locker unit for said delivery or said pickup of said good;

reserving, by said system controller, said locker unit in response to said receiving step; and

notifying, by said system controller, said customer after said delivery of said good or of said locker unit for drop off of said good for said pickup.

- 7. The method of Claim 6, wherein said notifying step comprises the step of notifying said vendor or said delivery agent of said drop off.
- 8. The method of Claim 6, and further comprising the step of registering, by said system controller, particulars of said customer, said vendor, said delivery agent, and delivery persons prior to said receiving step.
- 9. The method of Claim 8, and further comprising the step of providing, by said system controller, login identification to each of said registered parties based upon particulars received from said registered parties, said

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21. Feb. 2002

login identification being associated with a smart card and a pin number of each of said registered parties.

- 10. The method of Claim 9, and further comprising the step of providing, by said locker controller, said pin number and information on said smart card to said locker controller for said leasing.
- 11. The method of Claim 6, and further comprising the step of allowing, by said system controller, special access to said locker unit by said registered parties when a wrong delivery or a wrong item is placed into said locker unit.
- 12. The method of Claim 6, and further comprising the step of renewing a lease period for said locker unit after said lease period runs out.
- 13. The method of Claim 6, wherein said method further comprises the step of providing a transaction number, by said system controller, to said vendor or said delivery agent after said reserving step.
- 14. The method of Claim 13, and further comprising the step of receiving, by said system controller, said transaction number and a login identification number associated with a delivery person to enable said delivery of said good or pickup of said drop off of said good.

DINERIDED SHEET





(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 22 March 2001 (22.03.2001)

PCT

(10) International Publication Number WO 01/20423 A2

(51) International Patent Classification7:

- - -

- (21) International Application Number: PCT/SG00/00143
- (22) International Filing Date:

12 September 2000 (12.09.2000)

(25) Filing Language:

English

G06F

(26) Publication Language:

English

SG

(30) Priority Data:

9904582-5 15 September 1999 (15.09.1999)

- (71) Applicant (for all designated States except US): FIRST CUBE PTE LTD. [SG/SG]; 10 Eunos Road 8, #07-32 Singapore Post Centre, Singapore 408600 (SG).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): FONG, Fatt, Chee [SG/SG]; 8 Kheam Hock Road, Singapore 298782 (SG).

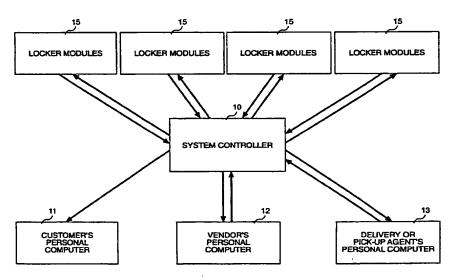
- (74) Agent: LAWRENCE Y. D. HO & ASSOCIATES; #07-01 Thongsia Building, 30 Bideford Road, Singapore 229922 (SG).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

 Without international search report and to be republished upon receipt of that report.

[Continued on next page]

(\$4) Title: A METHOD AND SYSTEM FOR FACILITATING DELIVERY AND PICKUP OF GOODS



(57) Abstract: The present system facilitates delivery and pickup of goods by providing a locker module at a location near a customer's residential site. For a vendor to deliver a good to the customer, the vendor leases a unit in the locker module from the system controller by accessing the system controller's website and providing details of the customer and a delivery agent. The vendor then notifies the delivery agent to make the delivery. The delivery agent provides the system controller the particulars of its delivery person. The designated delivery person accesses the leased locker unit using a registered smart card and delivers the good. The system controller notifies the customer of the delivered good. The customer accesses the locker unit containing the good by using a registered smart card.

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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 22 March 2001 (22.03.2001)

PCT

(10) International Publication Number WO 01/020423 A3

(51) International Patent Classification⁷: G06F 17/60

(21) International Application Number: PCT/SG00/00143

(22) International Filing Date:

12 September 2000 (12.09.2000)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 9904582-5

15 September 1999 (15.09.1999) SG

(71) Applicant (for all designated States except US): FIRST CUBE PTE LTD. [SG/SG]; 10 Eunos Road 8, #07-32 Singapore Post Centre, Singapore 408600 (SG).

(72) Inventor; and

(75) Inventor/Applicant (for US only): FONG, Fatt, Chee [SG/SG]; 8 Kheam Hock Road, Singapore 298782 (SG).

(74) Agent: LAWRENCE Y. D. HO & ASSOCIATES: #07-01 Thongsia Building, 30 Bideford Road, Singapore 229922 (SG).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM). European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

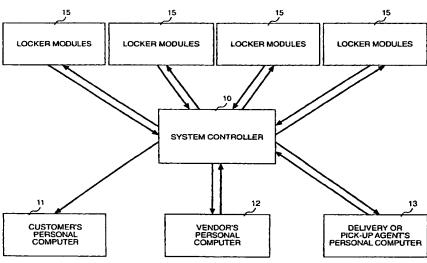
Published:

with international search report

(88) Date of publication of the international search report:
11 July 2002

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: A METHOD AND SYSTEM FOR FACILITATING DELIVERY AND PICKUP OF GOODS



ANT OF THE

** O 01/05046

(57) Abstract: The present system facilitates delivery and pickup of goods by providing a locker module at a location near a customer's residential site. For a vendor to deliver a good to the customer, the vendor leases a unit in the locker module from the system controller by accessing the system controller's website and providing details of the customer and a delivery agent. The vendor then notifies the delivery agent to make the delivery. The delivery agent provides the system controller the particulars of its delivery person. The designated delivery person accesses the leased locker unit using a registered smart card and delivers the good. The system controller notifies the customer of the delivered good. The customer accesses the locker unit containing the good by using a registered smart card.

INTERNATIONAL SEARCH REPORT

International application No. PCT/SG 00/00143

	ASSIFICATION OF SUBJECT MATTER			
IPC ⁷ : C	906F 17/60			
	g to International Patent Classification (IPC) or to both	national classification	and IPC	
	LDS SEARCHED documentation searched (classification system followed	l by classification sym	phois)	
IPC7:	(oy classification syn		
	tation searched other than minimum documentation to the	ne extent that such do	cuments are included i	n the fields searched
Electronic	c data base consulted during the international search (nar	me of data base and, v	vhere practicable, seare	ch terms used)
WPI, F	PAJ, EPODOC, EspaceNet, Depatisne	t		•
C. DO	CUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document, with indication, where appropria	te, of the relevant pas	sages	Relevant to claim No.
х	DE 298 07 184 U1 (Müller), 24 Septosee the whole document, esp. fig.1, fi		4.09.98)	1-3
Y	see the whole document, esp. lig. 1, 11	g.2.		4-9
Y	DE 41 30 033 A1 (ACCUMULATA), see the whole document, esp. fig.1.	18 March 1993	3 (18.03.93)	4-9
Α	ood and whole document, cap. ng. 1.			1-3
Furt	her documents are listed in the continuation of Box C.	See paten	t family annex.	
"A" docum	I categories of cited documents: ent defining the general state of the art which is not ered to be of particular relevance	date and not in cor	aflict with the application	
"E" earlier	application or patent but published on or after the international	"X" document of partic	cory underlying the inven cular relevance; the claim	ed invention cannot be
filing of L" docum	ent which may throw doubts on priority claim(s) or which is	considered novel of when the document		involve an inventive step
cited to	o establish the publication date of another citation or other reason (as specified)	"Y" document of partic	cular relevance; the claim	
"O" docum	ent referring to an oral disclosure, use, exhibition or other	combined with on	e or more other such doci	uments, such combination
	ent published prior to the international filing date but later than		a person skilled in the art r of the same patent famil	у
	ority date claimed e actual completion of the international search	Date of mailing of th	e international search	report
	21 January 2002 (21.01.2002)	_	uary 2002 (22.0	-
	mailing adress of the ISA/AT	Authorized officer		
Austria	n Patent Office		FASTENBAUE	R
	arkt 8-10; A-1014 Vienna		IAGILNDAUE	
	No. 1/53424/535	Telephone No. 1/5.	3424/447	
rorm PCT	I/ISA/210 (second sheet) (July 1998)			

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No. PCT/SG 00/00143

Patent document cited in search report			Publication date	ş	Patent family member(s)		Publication date	
DE	Ul	29807184	1 29807184	24-09-1998	none			
DE	A1	4130033	18-03-1993	AT	E	163785	15-03-1998	
DE	C2	4130033	19-10-1995	ÐE	C0	59209212	09-04-1998	
				DK	т3	531942	30-11-1998	
				EP	A2	531942	17-03-1993	
				EP	A3	531942	14-07-1993	
				EP	В1	531942	04-03-1998	
				ES	Т3	2115628	01-07-1998	